

DDP # 80-446

20 SEP 1980

MEMORANDUM FOR: Director of Data Processing, DDA

25X1A

FROM: [REDACTED] (C)
Chief, Information Management Staff, DDOSUBJECT: Additional Hardware and Software Features for
the Delta Data 7260. (U)REFERENCE: SG Memorandum 80/10, dated 9 June 1980,
Subject: TEMPEST Approved Printer for Delta
Data 7260. (U)

1. To effectively use the Delta Data 7260 as a data processing device in the small to medium field station environment, certain additional hardware and software features are required to provide a complete working system, namely:


- a. The volume and access speed requirements of a data processing system supporting the smaller stations will require a TEMPEST approved hard disk that can be accessed by all terminals located within the station. This disk requirement is in addition to the individual floppy diskettes currently available with this terminal. The hard disk unit will provide a storage capability on one single media for larger station files and allow multiple users simultaneous access to common data. It would also create a more central repository of data, making the destruction process less complex and more controllable.
- b. To avoid the time consuming process of writing original software for each application, a general purpose data management system (DMS) is required. A basic DMS that allowed file definition, maintenance, and simple query would greatly reduce the resources required for software development.
- c. A TEMPEST approved high quality printer is required to provide paper copy from the word processing system. The desired attributes of this device are outlined in the referenced memorandum. (S)

2. Further analysis of the functional requirements of the field station environment will be required before the


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specific features needed in the DMS and hard disk can be provided. It is anticipated that this information will be available within the next few months. A development version of the DMS and disk will be needed by the first quarter of FY-82 in order to meet projected development and testing schedules. Production models of these two items must be available by 4th quarter FY-82. (S)

3. Questions concerning this subject should be addressed to 

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BG-80/10

9 JUN 1980

MEMORANDUM FOR: Chief, Engineering Division,
Office of Data Processing, DDA

STATINTL

FROM:



IMS, DDO

SUBJECT: TEMPEST Approved Printer for the
Delta Data 7260 (U)

REFERENCE

STATINTL

REFERENCE:

Memorandum 80/11, dated
31 January 1980, Subject: Requirement for
TEMPEST Approved, Letter Quality Printer (U)

1. In order to use the Delta Data 7260 as a standalone data and word processing device in the field station environment, a TEMPEST approved high quality printer is required as an integral part of the system. Outlined below are the specific features that must be included on this device.

a. Friction and tractor paper feed so that cut paper and continuous form paper up to 132 character positions wide can be used.

b. Multiple type faces to include a draft font, OCR-A, high quality font and italics. The fonts should be integral to the printer and not require the changing of a printer wheel in order to change the font. Further, the printer should be capable of responding to font change requests issued by a host system.

c. High quality print speeds of 100 CPS. The printer should be capable of operating at higher speeds for printing of draft quality. Also, documents printed must be usable with Agency OCR equipment.

d. Forms storage with the capability of merging text into the stored form for printing. The forms should be loadable from a host system.

e. Tabbing, underlining, and character bolding under host control.

f. RS 232 interface.

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g. Switchable so as to operate on either domestic or foreign power.

h. TEMPEST certification for operations overseas.

i. Plug board or modular construction for ease of maintenance.

j. Maintenance training for Agency personnel along with a source for spare boards and/or modules and a repair and return capability for defective printer components.

k. Physical dimensions as small as possible but not to exceed a size that would permit the printer to share a 30" X 50" desk with a L/D 7260 and user work space.

l. Printer noise level compatible with a normal office environment. (S)

2. A development model of the printer will be required in Headquarters during the second quarter of FY 81 for system integration testing purposes. Production models for deployment to the field in quantities up to 30 must be available by the fourth quarter of FY 81. (U)

3. This memorandum supersedes the reference. Questions concerning this matter should be addressed to [REDACTED]

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I also found a major frustration in trying to save text. Perhaps an unseen command was overriding, but a careful following of step by step procedure to SAVE SPLIT as outlined in the manual failed to produce the proper results.

Use of a word processor is so much more desirable than the typewriter, but the typewriter won out on occasion.

DRAFT

SUBJECT: Comments on use of Delta Data

My use of the Delta Data was as a word processor-- without the word processing package. I have had no previous experience with word processors of any type. Overall I would characterize my use of the Delta Data as frustrating. The Delta Data is so very complex that word processing is only a small part of its potential.

Part of the frustration derived from losing text. Several instances could have been avoided by having the CONTROL key in a different position. It is too easy to hit instead of the shift key. I would suggest this key be moved lower on the keyboard with a more definite separation between CONTROL and shift key or placed into a position in the "number pad" where a more conscious effort is needed to depress it.

I found also that the Delta Data seemed to retain some characters which translated into commands--unseen commands which surfaced during the printing process. For instance, when typing text with indented subparagraphs the printer does not recognize carriage returns--it continues to print one continuous line unless a CONTROL carriage return is used.

Some fault may have been in the printer which I used (it required several service calls for printing "garbage" or other problems). I also had difficulty in using the EOM to stop printing so that I could insert a fresh piece of paper. The printer rolled up the paper, paused for a few seconds and continued to print.

The keyboard was probably designed very carefully. However, I would prefer to have had the "cursor pad" and the "number pad" transposed. It would be much easier to moved the hand in a straight line to the right instead of to the right and up for keys which received a great deal of use. I used the number keys in the top row almost exclusively and therefore used the "number pad" 1% or less.

If it were mechanically feasible, I would have preferred a key to "zoom" the cursor to the center of the screen (similar to the home) rather than "thumbing the cursor up or down and then sideways.

The manual is very well written and detailed in all possible reactions and contingencies. Perhaps a page could be added with a cryptic list of "Don'ts" such as:

- ...hit CONTROL with "v" key - destroys text
- ...hit CONTROL LDOS with text on screen - destroys text
- ...try to SAVE SPLIT with Directory printed on screen

ILLEGIB


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craft3

15. Didn't address the numerical requirements (for finance).
- * 16. Make sure the new environment is adaptable to new requirements.
17. We have to make an effort to demonstrate integration for the novice user.
18. Horizontal scroll.
19. Shared disk for small system is lacking (Gene feels we should talk in terms of file shareability - not disk shareability):
20. They should distinguish between number of simultaneous users as opposed to connected users.
21. We should get information from IBM (and others) as to whether a solution to the small 370 is forthcoming.

300-1000
1-1-1000

TRANSMITTAL SLIP		DATE	3/11/81
TO: <i>Erna</i>			
ROOM NO.	BUILDING		
2000	Hqs.		
REMARKS:			
<p><i>Returned per phone call, 3/17/81. C/ED or DD/P decided not to answer, ref.</i></p>			
FROM: <i>Dofra / ED</i>			
ROOM NO.	BUILDING		
			
FORM NO. 241 1 FEB 55		REPLACES FORM 35-8 WHICH MAY BE USED.	

STATINTL

ILLEGIB

ROUTING AND RECORD SHEET

SUBJECT: (Optional)

FROM:

EXTENSION

NO

[REDACTED] (C) 25X1A
Deputy Chief, IMS

DATE 9 December 1980

25X1A

TO: (Officer designation, room number, and building)

DATE

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

RECEIVED

FOR WARDEN

1.

C/IMS

85

WJD

Bruce:

2.

Director, ODP

12/10

WJD

3.

E O

10/2

25X1A

4.

DD

11/2

WJD

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DDP

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C/ED

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14.

15.

I think you will find the attached appraisal of the Delta Data interesting. It is written by [REDACTED] (C), a GS-8 executive secretary who has considerable field experience and is probably typical of the kind of person who would use this terminal in the field. I would say she is basically enthusiastic about machines. Bearing in mind that we completely understand the limitations of the Delta Data without the word processing package, it still does appear that there are certain features about the Delta Data which can be frustrating. No doubt the problems with the printer will be sorted out. But the observations on the position of the CONTROL key, the cursor pad and the desired "zoom" feature for the cursor are things we might think about.

Incidentally, the attached was done on the Delta Data with the Design 100 printer. The text was letter perfect on the screen; the garbles come from the printer, a problem that we have tried without success to correct on several occasions.

25X1A

2-6 Are you getting much feedback like this? I have similar concerns, B

the way, about the computer system "input"

Any plans for modification?

J